

## MSG 169 - RED FD12 MISSION SUMMARY

Welcome to Red FD12! We added an MGM run to KC, which resulted in moving CIBX and UCB changeout activities off her timeline to Laurel and Ilan. The radiator deploy will be for the port radiator only later today, and we deleted the FES dump. We are all looking forward to your ship-to-ship call to Alpha! It's the next best thing to being there...

CM-2 SOFBALL announces the birth of 9-tuplets: Mike, Terri/Terry, Steve, Mark, Jerry, Frank, Vic, Amy and Hung. Names are complements of the Orbit 2 team.

Many thanks to Ilan from the MEIDEX folks for taking yesterday's first observation of dust over the Atlantic! We hope for more of the same today. Recent data from SOLCON is also showing some great results, and will be used to verify SOHO measurements. SOLSE is anxiously awaiting the upcoming earth observation today, and CVX and LPT continue their better-than-nominal operations.

Tampa Bay fans around the world are rejoicing! Final score for the Superbowl 2003 was Oakland 21, Tampa Bay 48.

YOUR CURRENT ORBIT IS: 152 X 140 NM

### NOTAMS:

EDWARDS (EDW) – LAKEBEDS RED/STANDING WATER  
WHITE SANDS (NOR) – GREEN  
KING KHALID (KKI) – 15R/33L CLOSED  
NASSAU INTL (YNN) – RWY32 DISP THRESHOLD 3000 FT  
LAJES (LAJ) - 15/33 LAST 2K OF ACTIVE RWY CLSD 0800-1900Z, 27 JAN-14 FEB  
BEN GUERIR (BEN) – NOT RECOMMENDED  
BANJUL (BYD) – NOT RECOMMENDED  
MONROVIA (LRB) - NOT RECOMMENDED  
TAMANRASSETT (ATT) - NOT RECOMMENDED  
SOUDA (GSA) – NOT SUPPORTING  
DYESS (DYS) – NOT USABLE

### NEXT 2 PLS OPPORTUNITIES:

EDW04 ORB 177 11/00:50  
EDW04 ORB 192 11/23:13

### OMS TANK FAIL CAPABILITY:

L OMS FAILS: YES (SHALLOW TARGETS)  
R OMS FAILS: YES (SHALLOW TARGETS)

### LEAKING OMS PRPLT BURN:

L OMS LEAK: BURN OUT-OF-PLANE AN + 85 <= TIG <= AN + 43  
R OMS LEAK: BURN OUT-OF-PLANE AN + 85 <= TIG <= AN + 44

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OMS QUANTITIES(%)

L OMS OX = 34.1      R OMS OX = 34.2  
FU = 33.8              FU = 33.8

SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

DELTA V AVAILABLE:

OMS	279 FPS
<u>ARCS (TOTAL ABOVE QTY1)</u>	<u>33 FPS</u>
TOTAL IN THE AFT	312 FPS
ARCS (TOTAL ABOVE QTY2)	62 FPS
FRCS (ABOVE QTY 1)	32 FPS
AFT QTY 1	84 %
AFT QTY 2	46 %

THERE ARE NO FAILURE/IMPACT/WORK AROUNDS FOR TODAY.